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IN THE U.S. PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

APPLICANTS: Laurila et al.

SERIAL NO.: 10/082,348

FILING DATE: February 26, 2002

EXAMINER: Iqbal, Khawar

ART UNIT: 2617

ATTORNEY'S DOCKET NO.: 800.0317.U1(US)

TITLE: UTILIZATION OF SUBSCRIBER DATA IN A TELECOMMUNICATIONS SYSTEM

Commissioner for Patents

Alexandria, VA 22313

RESPONSE TO OFFICE ACTION

Sir:

This paper is herewith filed in response to the Examiner's Office Action mailed on August 5, 2009 for the above-captioned U.S. Patent Application. A petition for a three-month extension of time or fee is believed to be due. Kindly charge our deposit account number 50-1924 the extension of time fee of \$1,110.00. Please also charge deposit account no. 50-1924 for any fee deficiency.

Please amend the application as shown below:

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AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently Amended) A method of ~~providing telecommunication services in a telecommunication system comprising at least one terminal, a serving network providing the terminal with services, and at least one bearer network in functional connection with the serving network, the method comprising:~~
~~creating at least one database comprising subscriber data, from which there is a functional connection to the bearer network, said subscriber data being similar to the data stored in a subscriber application comprised by the terminal, the subscriber data including authentication information;~~
in response to an establishment of establishing a connection between [[the]] a serving network and [[the]] a terminal via [[the]] a subscriber application comprised by the terminal[[:]],
arranging communication between the terminal and [[said]] a subscriber database by Internet Protocol (IP) based data, where said subscriber database comprises subscriber data similar to data stored in the subscriber application comprised by the terminal, the subscriber data including authentication information, where there is a functional connection between a bearer network and said subscriber database;
performing automated checking of [[the]] a right of the terminal to use said subscriber database;
automatically transmitting, from the subscriber database, subscriber data to the terminal, the serving network, or the terminal and the serving network, in response to the terminal having the right to use said subscriber database and in response to acceptable authentication of the subscriber database in the bearer network;
~~providing the terminal with communication services according to at least said transmitted subscriber data, wherein~~ where services of the bearer network are activated for use for the terminal by means of said transmitted subscriber data; and
~~transmitting data from the terminal to said subscriber database to modify~~ modifying the

subscriber database contents based on data received from the terminal.

2. (Currently Amended) The method according to claim 1, wherein ~~[[said]]~~ transmitted subscriber data ~~to be transmitted~~ comprise a subscriber identifier.

3. (Currently Amended) The method according to claim 1, wherein ~~[[said]]~~ transmitted subscriber data ~~to be transmitted~~ to the serving network comprise a subscriber identifier according to said subscriber database;

said subscriber identifier is associated in the serving network with the identifier of the subscriber application comprised by the terminal;

the terminal is identified outside the serving network on the basis of said subscriber identifier; and

data to the subscriber of said subscriber database are directed in the serving network to the terminal.

4. (Currently Amended) The method according to claim 1, wherein ~~[[the]]~~ an address of said subscriber database, such as an IP address, is transmitted from the terminal to the serving network; and

a connection is established from the terminal to said subscriber database on the basis of the address of said subscriber database.

5. (Previously Amended) The method according to claim 1, further comprising: transmitting location information about the terminal to at least one bearer network; and

transmitting data directed to the subscriber of said subscriber database to the serving network on the basis of said location information.

6. (Currently Amended) The method according to claim 1, wherein said subscriber data comprise information about ~~the services~~ at least one service to be provided for ~~[[the]]~~ a subscriber.

7. (Currently Amended) The method according to claim 1, wherein said subscriber data comprise

~~the subscriber's personal data of a subscriber.~~

8. (Cancelled)

9. (Currently Amended) The method according to claim 1, wherein ~~[[the]]~~ information about ~~[[said]]~~ which subscriber database is to be used is transmitted from the terminal to the serving network.

10. (Previously Presented) The method according to claim 1, further comprising: arranging the subscriber data in said subscriber database to be modified by the bearer network.

11. (Previously Presented) The method according to claim 1, wherein said telecommunication system is a mobile communication system; and
said subscriber database comprises data that are at least partly the same as in the subscriber application.

12. Cancelled

13. (Currently Amended) A telecommunication system comprising:
at least one terminal;
a serving network providing the terminal with services;
at least one bearer network in functional connection with the serving network, wherein
the bearer network is configured to create at least one database comprising subscriber data associated with a subscriber, a functional connection being configured between said at least one subscriber database and the bearer network, said subscriber data being similar to the data stored in a subscriber application comprised by the terminal, the subscriber data including authentication information;
the terminal and the serving network are configured to establish a connection by means of the subscriber application comprised by the terminal;
the terminal and the serving network are configured to arrange Internet Protocol (IP) based data

transmission communication between the terminal and said subscriber database;
said subscriber database is configured to perform automated checking of the right of the terminal to use said subscriber database;
automatic submission of subscriber data is configured in the system, from the subscriber database to the terminal, the serving network, or the terminal and the serving network, in response to the terminal having the right to use said subscriber database and in response to acceptable authentication of the subscriber database in the bearer network;
communication service provision for the terminal is configured in the system in accordance with at least said transmitted subscriber data, wherein the system is configured to activate services of the bearer network for use for the terminal by means of said transmitted subscriber data; and
the terminal is configured to transmit data to said subscriber database to modify the subscriber database contents.

14. (Previously Presented) The telecommunication system according to claim 13, wherein said subscriber data to be transmitted comprise a subscriber identifier.

15. (Previously Presented) The telecommunication system according to claim 13, wherein said subscriber data to be transmitted to the serving network comprise a subscriber identifier according to said subscriber database;
the serving network is configured to associate said subscriber identifier with the identifier of the subscriber application comprised by the terminal;
the serving network is configured to identify the terminal outside the serving network on the basis of said subscriber identifier; and
the serving network is configured to direct data directed to the subscriber of said subscriber database to the terminal.

16. (Previously Presented) The telecommunication system according to claim 13, wherein the terminal is configured to transmit the address of said subscriber database, such as an IP address, to the serving network; and
the terminal and the serving network are configured to establish a connection from the terminal to

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said subscriber database on the basis of said address.

17. (Previously Presented) The telecommunication system according to claim 13, wherein the serving network is configured to transmit location information about the terminal to at least one bearer network; and

the bearer network is configured to transmit data directed to the subscriber of said subscriber database to the serving network on the basis of said location information.

18. (Currently Amended) The telecommunication system according to claim 13, wherein said subscriber data comprise information of at least one of ~~about the~~ services to be provided for the subscriber, ~~and/or~~ and the subscriber's personal data.

19. (Previously Presented) The telecommunication system according to 13, wherein the terminal is configured to activate services of the bearer network by means of said transmitted subscriber data.

20. (Previously Presented) The telecommunication system according to claim 13, wherein the terminal is configured to transmit the information about said subscriber database to be used to the serving network.

21. (Previously Presented) The telecommunication system according to claim 13, wherein the bearer network is configured to modify the subscriber data comprised by said subscriber database.

22. (Previously Presented) The telecommunication system according to claim 13, wherein said telecommunication system is a mobile communication system; and
said subscriber database comprises data that are at least partly the same as in the subscriber application.

23. (Cancelled)

24. (Cancelled)

25. (Currently Amended) A terminal device ~~for a telecommunication system~~ comprising:
a subscriber application configured to establish a connection with a serving network, wherein the terminal device is configured to communicate with a subscriber database by Internet Protocol (IP) based data transmission, the subscriber database in functional connection with a bearer network;
the terminal device is configured to transmit identification information to said subscriber database;
the terminal device is configured to receive subscriber data from the subscriber database as an automatic result of automated checking to confirm the right of the terminal device to use said subscriber database and acceptable authentication of the subscriber database in the bearer network, the subscriber data being similar to the data stored in the subscriber application comprised by the terminal device, the subscriber data including authentication information;
the terminal device configured to receive communication services according to at least said received subscriber data, wherein services of the bearer network are activated for use for the terminal device by means of said received subscriber data; and
the terminal device is configured to transmit data to said subscriber database to modify the subscriber database contents.

26. (Cancelled)

27. (Previously Presented) The terminal device according to claim 25, wherein the terminal device is configured to transmit the information about said subscriber database to be used to the serving network.

28. (Previously Presented) The terminal device according to claim 25, wherein the terminal device is configured to transmit the address of said subscriber database, such as an IP address, to the serving network; and

the terminal device is configured to establish a connection from the terminal device to said subscriber database on the basis of said address.

29. (Previously Presented) The terminal device according to claim 25, wherein the terminal device is a mobile terminal and said received subscriber data are at least partly the same as in the subscriber application.

30. (Previously Presented) The terminal device according to claim 25, wherein the terminal device is configured to submit the received subscriber data to a value-added application comprised by the terminal device.

31. (Currently Amended) A network element device ~~for a telecommunication system~~ comprising:
a subscriber database comprising subscriber data, the subscriber database in a functional connection with a bearer network, the subscriber data being similar to the data stored in a subscriber application comprised by a terminal, the subscriber data including authentication information, wherein

the network element device is configured to communicate with a terminal by Internet Protocol (IP) based data transmission;

the network element device is configured to check the right of the terminal to use the subscriber database;

the network element device is configured to transmit subscriber data transmitted from the subscriber database to the terminal, a serving network, or the terminal and the serving network, in response to the terminal having the right to use said subscriber database and in response to acceptable authentication of the subscriber database in the bearer network, wherein the network element is configured to activate communication services of the bearer network for use for the terminal by means of said transmitted subscriber data; and

the network element device is configured to receive data transmitted from the terminal for transmission to said subscriber database to modify the subscriber database contents.

32. (New) The network element device according to claim 31, wherein the terminal is a mobile

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terminal that comprises a subscriber application, and where said transmitted subscriber data are at least partly the same as in the subscriber application.

33. (New) The network element device according to claim 32, where subscriber data transmitted to the serving network comprise a subscriber identifier associated in the serving network with an identifier of the subscriber application, and where the terminal is identified outside the serving network on the basis of said subscriber identifier.